

## CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

**Employer Id :** E84764

**Participation :** CTR

**Employer :** The Boeing Company

**Status :** Affected

**Worksite :** The Boeing Company - Renton

**Survey Type :** Online

**Street :** 801 Park Ave N

**Response Rate :** 51%

**Jurisdiction :** City of Renton

**Survey Date :** 5/1/2018

### Non-Drive Alone & One-Way VMT Rates at this Worksite

**Non-Drive Alone Rate :** 19.5%

**Drive Alone Rate :** 80.5%

**One-Way VMT per employee :** 17.6

**Average One-Way distance home to work :** 20.2

### Employees and Survey Response Information

**Reported Total Employees at Worksite:** 9,784

**Surveys Distributed :** 1,833

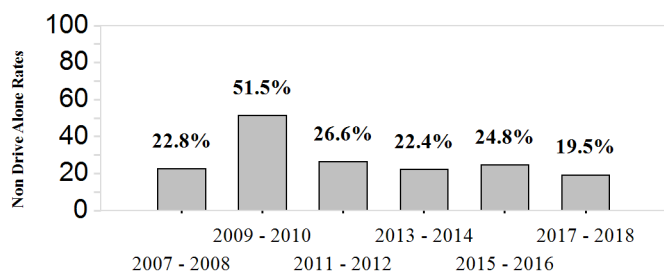
**Surveys Returned :** 930

**Surveys Returned by CTR Affected\* Employees :** 652

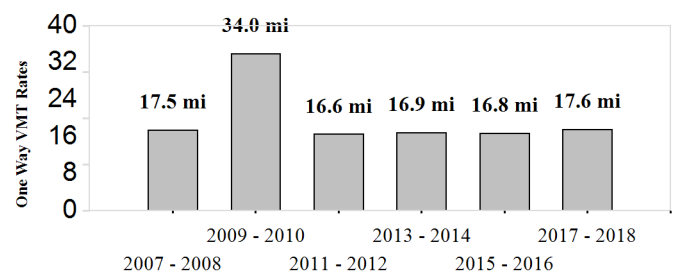
**Total Estimated CTR Affected Employees at Worksite :** 1,285

\*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

#### Non Drive Alone Rates - ALL Employees



#### One Way VMT per Employee - ALL Employees



### Site History and Targets

### Annual Metric Tons CO<sub>2</sub>e Pounds CO<sub>2</sub>e

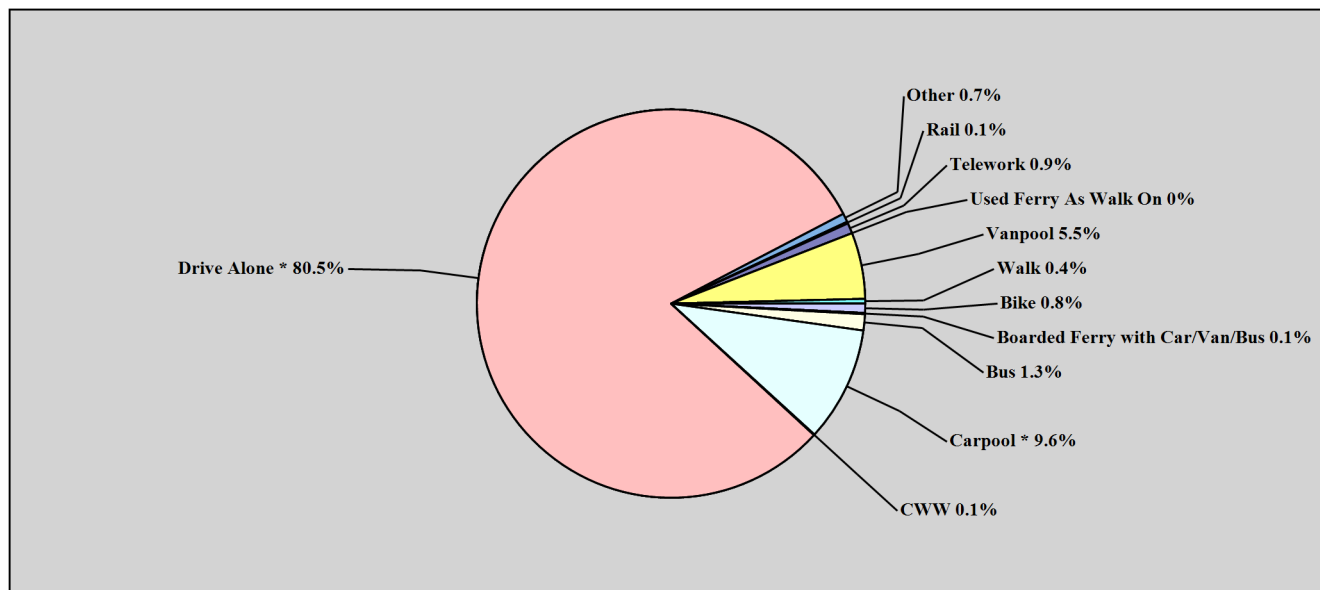
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	22.8%	20.8%	10534	27991	25.2	17.5	15.4
2009 - 2010	27.7%	27.7%	6918	29288	26.4	17.2	17.2
2009 - 2010	23.8%	23.7%	4281	13658	12.3	16.8	15.3
2011 - 2012	26.6%	26.7%	1823	29456	26.5	16.6	14.8
2013 - 2014	22.4%	21.0%	3847	33899	30.6	16.9	15.7
2015 - 2016	24.8%	25.5%	3584	35473	32.0	16.8	15.4
2017 - 2018	19.5%	18.7%	3773	39689	35.8	17.6	15.8
Target	29.9%				Target:	12.1	
% Point Change Target:	7.1				% Change Target:	-30.9%	
% Point Change from Baseline:	-3.3				% Change from Baseline:	0.6%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

## Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



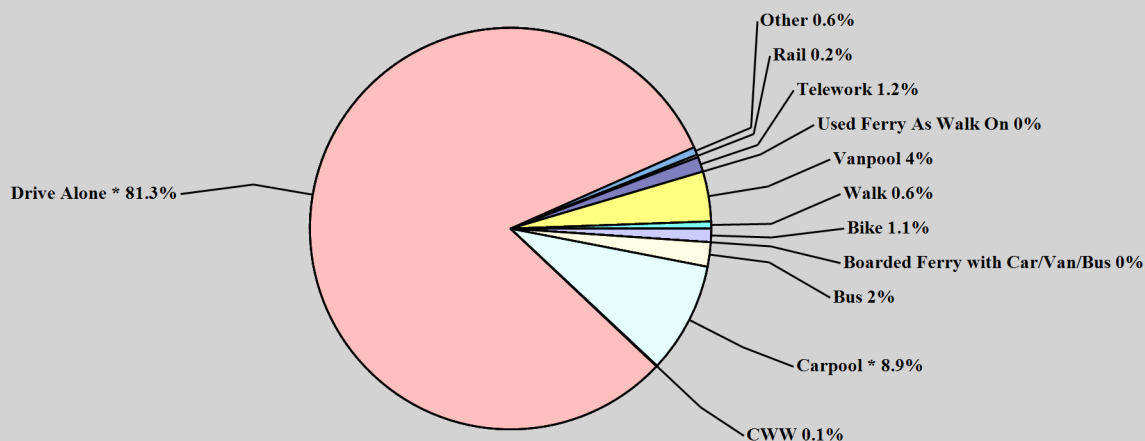
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,882	80.5%	75.2%	814	87.5%	82.3%
Carpool *	461	9.6%	11.3%	111	11.9%	14.1%
Vanpool	266	5.5%	7.5%	61	6.6%	8.4%
Bus	65	1.3%	0.7%	20	2.2%	1.0%
Rail	7	0.1%	0.6%	2	0.2%	1.1%
Bike	37	0.8%	1.1%	13	1.4%	2.1%
Walk	19	0.4%	1.0%	4	0.4%	1.2%
Telework	42	0.9%	0.6%	30	3.2%	2.3%
CWW	3	0.1%	0.2%	3	0.3%	0.8%
Boarded Ferry with Car/Van/Bus	5	0.1%	0.1%	2	0.2%	0.3%
Used Ferry As Walk On	0	0.0%	0.1%	0	0.0%	0.2%
Other	35	0.7%	1.6%	12	1.3%	2.2%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

## Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	2,696	81.3%	74.5%	575	88.2%	82.7%
Carpool *	296	8.9%	10.6%	69	10.6%	13.8%
Vanpool	133	4.0%	8.0%	32	4.9%	8.8%
Bus	65	2.0%	0.8%	20	3.1%	1.3%
Rail	7	0.2%	1.1%	2	0.3%	2.0%
Bike	36	1.1%	1.3%	12	1.8%	2.8%
Walk	19	0.6%	1.4%	4	0.6%	1.5%
Telework	40	1.2%	1.0%	28	4.3%	3.5%
CWW	2	0.1%	0.2%	2	0.3%	0.7%
Boarded Ferry with Car/Van/Bus	0	0.0%	0.1%	0	0.0%	0.4%
Used Ferry As Walk On	0	0.0%	0.2%	0	0.0%	0.4%
Other	21	0.6%	0.8%	8	1.2%	1.3%

\* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

**Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:**

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
<b>0 Day</b>	685	74%	930	100%
<b>1 Days</b>	37	4%	245	26%
<b>2 Days</b>	31	3%	208	22%
<b>3 Days</b>	19	2%	177	19%
<b>4 Days</b>	27	3%	158	17%
<b>5 Days</b>	117	13%	131	14%
<b>6 or More Days</b>	14	2%	14	2%

**Count by Occupancy of Carpools and Vanpools**

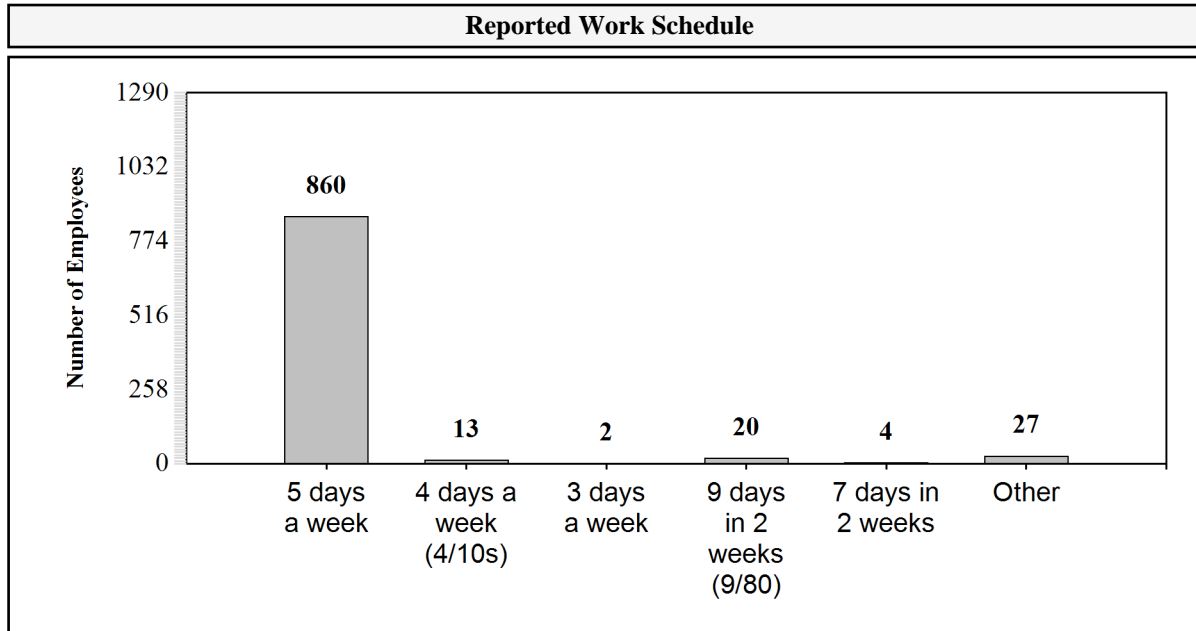
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
<b>2*</b>	Carpool	407
<b>3</b>	Carpool	35
<b>4</b>	Carpool	0
<b>5</b>	Carpool	0
<b>&gt;5</b>	Carpool	19
<b>&lt;5</b>	Vanpool	1
<b>5</b>	Vanpool	39
<b>6</b>	Vanpool	26
<b>7</b>	Vanpool	68
<b>8</b>	Vanpool	63
<b>9</b>	Vanpool	9
<b>10</b>	Vanpool	29
<b>11</b>	Vanpool	0
<b>12</b>	Vanpool	25
<b>13</b>	Vanpool	0
<b>14</b>	Vanpool	0
<b>&gt;14</b>	Vanpool	6

\* Motorcycle-2 counted with Carpool-2 for this table.

## Reported Work Schedule - All Employees

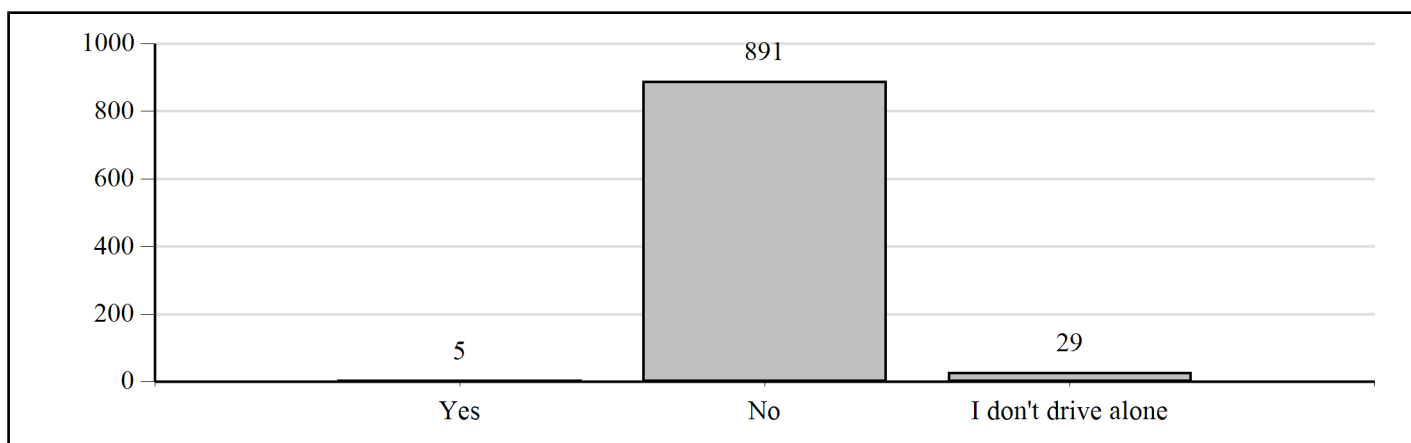
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	860	92.9%
4 days a week (4/10s)	13	1.4%
3 days a week	2	0.2%
9 days in 2 weeks (9/80)	20	2.2%
7 days in 2 weeks	4	0.4%
Other	27	2.9%

## Parking and Telework

**Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)**



**Q.10: How many days do you typically telework?**

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	4	0.4%
I don't telework	692	74.4%
Occasionally, on an as-needed basis	192	20.6%
1-2 days/month	18	1.9%
1 day/week	18	1.9%
2 days/week	5	0.5%
3 days/week	1	0.1%

## Reasons for driving alone to work/not driving alone to work

**Q11. When you do not drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
To save money	268	15.4%
To save time using the HOV lane	238	13.6%
Other	212	12.1%
Financial incentives for carpooling, bicycling or walking.	167	9.6%
Personal health or well-being	143	8.2%
Preferred/reserved carpool/vanpool parking is provided	138	7.9%
Free or subsidized bus, train, vanpool pass or fare benefit	133	7.6%
I have the option of teleworking	124	7.1%
Environmental and community benefits	116	6.6%
Driving myself is not an option	67	3.8%
Cost of parking or lack of parking	63	3.6%
Emergency ride home is provided	62	3.6%
I receive a financial incentive for giving up my parking space	14	0.8%

**Q12. When you drive alone to work, what are the three most important reasons?**

Question Text	# of Responses	% of Responses
I like the convenience of having my car	599	26.1%
Riding the bus or train is inconvenient or takes too long	588	25.6%
Family care or similar obligations	340	14.8%
Other	259	11.3%
My commute distance is too short	211	9.2%
Bicycling or walking isn't safe	124	5.4%
My job requires me to use my car for work	96	4.2%
I need more information on alternative modes	64	2.8%
There isn't any secure or covered bicycle parking	12	0.5%

## Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98059	49	5.27%	206	21	0	17	4	0	2	0	3	0	0	0	0
98042	47	5.05%	180	50	0	10	2	0	0	0	0	0	0	0	0
98058	44	4.73%	185	16	0	3	0	5	9	0	2	0	0	0	0
98056	34	3.66%	126	16	1	17	1	0	5	14	2	0	0	0	2
98038	31	3.33%	152	7	5	1	0	0	1	0	1	0	0	0	1
98031	26	2.80%	111	20	0	2	0	0	0	0	2	0	0	0	0
98391	26	2.80%	96	15	11	1	0	0	0	0	0	0	0	0	2
98092	25	2.69%	104	21	0	0	4	0	0	0	2	0	0	0	0
98001	23	2.47%	86	17	0	10	0	0	0	0	1	0	0	0	0
98006	19	2.04%	85	4	0	0	3	0	8	0	0	0	0	0	1
98030	19	2.04%	81	4	0	19	0	0	0	0	0	0	0	0	0
98023	16	1.72%	62	15	5	0	2	0	0	0	1	0	0	0	0
98022	15	1.61%	68	7	9	0	0	0	0	0	0	0	0	0	0
98198	14	1.51%	64	5	0	5	0	0	0	0	0	0	0	0	0
98012	13	1.40%	58	5	6	0	0	0	0	0	1	0	0	0	0
98033	13	1.40%	42	5	0	0	10	0	0	0	1	0	0	0	2
98178	13	1.40%	45	6	5	0	1	0	0	0	2	0	0	0	0
98374	13	1.40%	54	0	18	0	0	0	0	0	0	0	0	0	0
98003	12	1.29%	48	8	0	0	0	0	0	0	6	0	0	0	0
98032	11	1.18%	49	6	0	2	0	0	0	0	0	0	0	0	0
98375	11	1.18%	45	5	10	0	0	0	0	0	0	0	0	0	0
98027	10	1.08%	46	0	0	5	0	0	0	0	0	0	0	0	0
98034	10	1.08%	36	0	0	5	4	0	0	0	0	0	0	0	4
98055	10	1.08%	38	5	0	0	5	0	0	0	1	0	0	0	0
98338	10	1.08%	35	5	15	0	0	0	0	0	0	0	0	0	0
98166	9	0.97%	43	0	0	0	3	0	0	0	0	0	0	0	0





Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98387	9	0.97%	44	0	0	5	0	0	0	0	0	0	0	0	0
98002	8	0.86%	39	3	0	0	0	0	0	0	0	0	0	0	0
98321	8	0.86%	14	5	27	0	0	0	0	0	0	0	0	0	0
98372	8	0.86%	33	5	0	1	0	0	0	0	0	0	0	0	4
98029	7	0.75%	33	0	0	0	0	0	0	0	0	0	0	0	0
98057	7	0.75%	22	4	0	0	3	0	5	5	0	0	0	0	0
98065	7	0.75%	36	1	0	0	0	0	0	0	0	0	0	0	0
98116	7	0.75%	26	1	0	0	0	0	0	0	1	0	0	0	0
98121	7	0.75%	30	0	0	0	5	0	0	0	1	0	0	0	0
98126	7	0.75%	30	0	0	5	0	0	0	0	1	0	0	0	0
98360	7	0.75%	13	25	0	0	0	0	0	0	0	0	0	0	0
98008	6	0.65%	32	0	0	0	0	0	0	0	0	0	0	0	0
98010	6	0.65%	19	4	5	0	3	0	0	0	0	0	0	0	0
98026	6	0.65%	30	0	0	1	0	0	0	0	1	0	0	0	0
98036	6	0.65%	21	6	5	1	0	0	0	0	0	0	0	0	0
98051	6	0.65%	11	23	0	0	0	0	0	0	0	0	0	0	0
98075	6	0.65%	29	0	0	1	0	0	0	0	0	0	0	0	0
98103	6	0.65%	24	1	2	0	1	0	0	0	0	0	0	0	0
98106	6	0.65%	26	0	0	0	4	0	0	0	0	0	0	0	0
98117	6	0.65%	26	2	0	3	0	0	0	0	0	0	0	0	0
98118	6	0.65%	28	0	0	0	0	0	2	0	0	0	0	0	0
98208	6	0.65%	21	0	10	0	0	0	0	0	0	0	0	0	0
98258	6	0.65%	19	10	4	0	0	0	0	0	0	0	0	0	0
98270	6	0.65%	25	0	5	1	0	0	0	0	0	0	0	0	0
98275	6	0.65%	23	4	0	0	0	0	0	0	0	0	0	0	0
98422	6	0.65%	22	9	0	0	0	0	0	0	0	1	0	0	0
98004	5	0.54%	22	0	0	0	0	0	0	0	2	0	0	0	0
98021	5	0.54%	14	5	5	0	0	0	0	0	0	0	0	0	0
98045	5	0.54%	20	0	0	5	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98052	5	0.54%	25	0	0	0	0	0	0	0	0	0	0	0	0
98074	5	0.54%	23	0	0	1	0	0	0	0	0	0	0	0	0
98108	5	0.54%	26	0	0	0	0	0	0	0	0	0	0	0	0
98122	5	0.54%	21	0	0	0	0	0	0	0	0	0	0	0	5
98125	5	0.54%	24	5	0	0	0	0	0	0	0	0	0	0	0
98168	5	0.54%	25	0	0	0	0	0	0	0	0	0	0	0	0
98188	5	0.54%	27	0	0	0	0	0	0	0	0	0	0	0	0
98373	5	0.54%	12	5	9	0	0	0	0	0	2	0	0	0	0
98445	5	0.54%	23	0	2	0	0	0	0	0	0	0	0	0	0
98011	4	0.43%	19	0	0	0	0	0	0	0	1	0	0	0	0
98037	4	0.43%	17	0	1	0	0	0	0	0	2	0	0	0	0
98072	4	0.43%	15	5	0	0	0	0	0	0	0	0	0	0	0
98087	4	0.43%	10	5	5	0	0	0	0	0	0	0	0	0	0
98104	4	0.43%	22	0	0	0	0	0	0	0	0	0	0	0	0
98115	4	0.43%	22	0	0	0	0	0	0	0	0	0	0	0	0
98136	4	0.43%	20	0	0	0	0	0	0	0	0	0	0	0	0
98204	4	0.43%	11	0	8	0	0	0	0	0	1	0	0	0	0
98272	4	0.43%	10	9	0	0	0	0	0	0	2	0	0	0	0
98290	4	0.43%	17	5	0	0	0	0	0	0	0	0	0	0	0
98354	4	0.43%	15	8	0	0	0	0	0	0	0	0	0	0	0
98371	4	0.43%	17	4	0	0	0	0	0	0	0	0	0	0	0
98390	4	0.43%	0	10	11	0	0	0	0	0	0	0	0	0	0
98404	4	0.43%	10	0	10	0	0	0	0	0	0	0	0	0	0
98424	4	0.43%	20	0	0	0	0	0	0	0	0	0	0	0	0
	3	0.32%	7	0	0	0	0	0	0	0	0	0	0	0	1
98005	3	0.32%	10	0	0	0	5	0	0	0	0	0	0	0	0
98024	3	0.32%	13	1	0	0	0	0	0	0	2	0	0	0	0
98053	3	0.32%	5	10	0	0	0	0	0	0	0	0	0	0	0
98107	3	0.32%	8	1	0	0	5	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98146	3	0.32%	15	0	0	0	0	0	0	0	0	0	0	0	0
98148	3	0.32%	15	0	0	0	0	0	0	0	0	0	0	0	0
98155	3	0.32%	12	0	5	0	0	0	0	0	0	0	0	0	0
98177	3	0.32%	14	0	0	0	0	0	0	0	0	0	0	0	0
98335	3	0.32%	2	0	13	0	0	0	0	0	0	0	0	0	0
98366	3	0.32%	3	0	5	0	0	0	0	0	0	0	2	0	5
98406	3	0.32%	16	0	0	0	0	0	0	0	0	0	0	0	0
98407	3	0.32%	2	3	5	5	0	0	0	0	0	0	0	0	0
98408	3	0.32%	7	7	0	0	0	0	0	0	0	0	0	0	3
98597	3	0.32%	18	0	0	0	0	0	0	0	0	0	0	0	0
98020	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98028	2	0.22%	6	0	4	0	0	0	0	0	0	0	0	0	0
98040	2	0.22%	5	0	0	0	0	0	5	0	0	0	0	0	0
98043	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98077	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98102	2	0.22%	9	0	0	0	0	2	0	0	1	0	0	0	0
98105	2	0.22%	11	0	0	0	0	0	0	0	0	1	0	0	0
98109	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98144	2	0.22%	11	0	0	0	0	0	0	0	0	0	0	0	0
98199	2	0.22%	9	0	0	0	0	0	0	0	0	0	0	0	0
98296	2	0.22%	9	0	0	0	0	0	0	0	0	0	0	0	0
98323	2	0.22%	10	0	3	0	0	0	0	0	0	0	0	0	0
98329	2	0.22%	5	0	4	0	0	0	0	0	0	0	0	0	0
98446	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
98466	2	0.22%	11	0	2	0	0	0	0	0	0	0	0	0	0
98498	2	0.22%	5	0	5	0	0	0	0	0	0	0	0	0	0
98513	2	0.22%	0	7	5	0	0	0	0	0	0	0	0	0	0
98580	2	0.22%	10	0	0	0	0	0	0	0	0	0	0	0	0
12345	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0	5



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
83709	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98007	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98009	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98014	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98019	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98047	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98070	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98101	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98112	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98133	1	0.11%	0	0	0	0	0	0	0	0	0	0	0	0	0
98203	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98223	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98252	1	0.11%	0	5	0	0	0	0	0	0	0	0	0	0	0
98271	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98282	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98292	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98310	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98328	1	0.11%	2	0	5	0	0	0	0	0	0	0	0	0	0
98332	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98349	1	0.11%	5	0	0	0	0	0	0	0	0	0	0	0	0
98367	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0
98368	1	0.11%	2	0	0	2	0	0	0	0	0	0	3	0	0
98396	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98402	1	0.11%	6	0	0	0	0	0	0	0	0	0	0	0	0
98403	1	0.11%	0	0	0	6	0	0	0	0	0	0	0	0	0
98405	1	0.11%	6	0	0	1	0	0	0	0	0	0	0	0	0
98443	1	0.11%	2	0	3	0	0	0	0	0	0	0	0	0	0
98444	1	0.11%	2	0	3	0	0	0	0	0	0	0	0	0	0
98506	1	0.11%	0	0	5	0	0	0	0	0	0	0	0	0	0



			Weekly Count of Trips By Mode												
Home Zip code	Total Employees	Employee Percentage	Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98512	1	0.11%	4	0	0	0	0	0	0	0	0	0	0	0	0
98516	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0
98584	1	0.11%	4	0	0	0	0	0	0	0	0	1	0	0	0
98926	1	0.11%	7	0	0	0	0	0	0	0	0	0	0	0	0